

MATHS TOPIC LIST

PAPER 2

FOUNDATION

This list is to be used as a guide for your revision. It is not an exhaustive list of every topic, but a carefully tailored one to support you to focus your revision.

What came up in Paper 1?	<ul style="list-style-type: none">• Fraction to percentage• BIDMAS• Naming quadrilaterals• Square numbers• Using a scale• Probability scale• Coordinates, midpoint• Weight and distance conversions• Mode, median and range• Write and simplify a ratio• Direct proportion• Fractions of amounts• Factorise single brackets	<ul style="list-style-type: none">• Substitution• Recipes and best buys• Area of a triangle and rectangle• Plotting linear graph• Decimal multiplication• Scatter graphs• Probability table• Nth term• Inverse proportion• Factoring and solving quadratics• Surface area and volume of a cuboid• Estimation• Exact trig values
Unlikely to appear again		

Extremely Likely	<ul style="list-style-type: none">• Percentage calculations (increase/decrease, reverse, percentage change, profit/loss)• Interest (compound and simple)• Ratio (sharing, combining, 1:n)• Plotting quadratic graphs• Angle Facts• Error intervals• Transformations• Mean (from frequency table/reverse/combined)• Statistical diagrams (pie charts, distance-time graphs, bar chart, stem and leaf)• Probability (probability trees, frequency trees, two-way tables)• Venn diagrams• Standard form (conversions and calculations)• Algebra (collect like terms, forming and solving, expanding)• Prime Factor Decomposition/ Highest Common Factor and Lowest Common Multiple
Common topics left after Paper 1	

Likely	<ul style="list-style-type: none">• Circles (area, circumference, parts)• Pythagoras' Theorem• Angles in polygons• Simultaneous equations• Rearranging formulae
Other common topics	<ul style="list-style-type: none">• Compound measures (Density, Force, Combined)• Converting fractions, decimals and percentages• Sequences (pictures, Fibonacci, geometric)• Number machines• Bearings/using scale drawings